Practice Quiz 4.1-4.5

Identify the slope and y-intercept of the following linear equations.

1. $y = \frac{-1}{3}x + 2$

   m = $\frac{-1}{3}$

   y-int = 2

2. $3x + y = -4$ $y = -3x - 4$

   m = -3

   y-int = -4

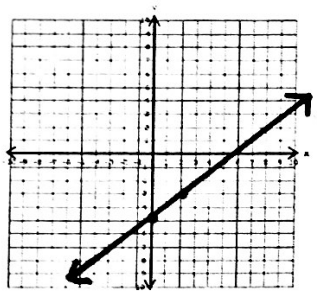
Rewrite the equation into slope-intercept form.

3. $2x - 4y = -12$ $y = \frac{1}{2}x + 3$

4. Graph $2x - 3y = 15$ by using slope and y-intercept.

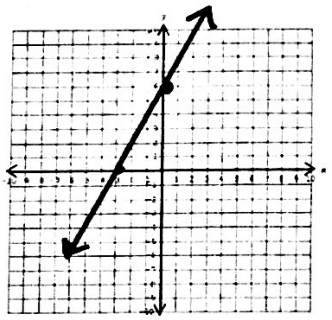
$m = \frac{2}{3}$

$b = -5$



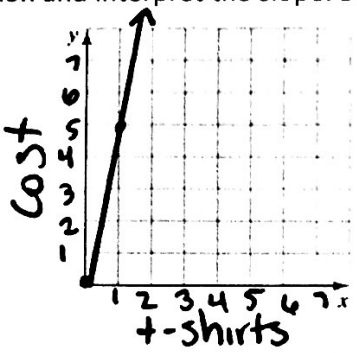
5. Graph $4x - 2y = -12$ by finding x & y intercepts.

(-3, 0) (0, 6)



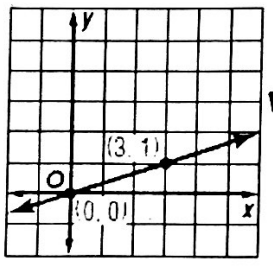
6. The cost, y, for t-shirt, x, is represented by $y = 5x$. Graph the equation and interpret the slope. Don't forget to label your axis!

Interpret the slope: $5/shirt



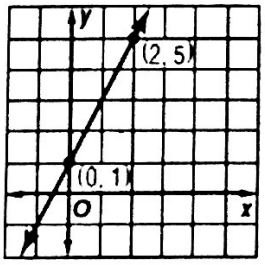
7. Find the slope of the line:

a)



$m = \frac{1}{3}$

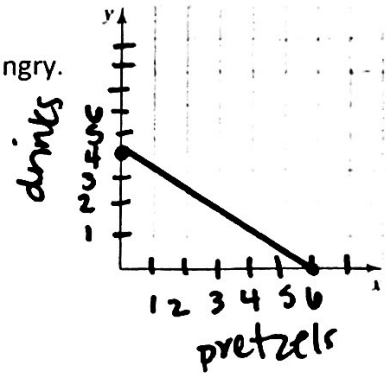
b)



$m = 2$

8. You spent $36 at the mall on pretzels, x, and drinks, y, when you and your family got hungry.

a) Graph the equation 6x + 9y = 36. Don't forget to label your axis!



b) If you bought 2 drinks, how many pretzels did you buy? 3 pretzels